

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|------------------------------|------------------|---------|------------------|
| L1 | 18 | "6349038" | USPAT | OR | OFF | 2011/10/10 16:31 |
| L2 | 0 | (trench groove) with (without adj penetrat\$4 adj substrate) | USPAT | OR | OFF | 2011/10/10 16:34 |
| L3 | 4 | (trench groove) with (without adj penetrat\$4 with substrate) | USPAT | OR | OFF | 2011/10/10 16:34 |
| L4 | 1 | ("6914307").URPN. | USPAT | OR | OFF | 2011/10/10 17:35 |
| L5 | 1381 | (trench groove) with (without adj penetrat\$4 with substrate printed adj circuit adj board pcb) | USPAT | OR | OFF | 2011/10/10 17:38 |
| L6 | 885 | 5 and @ad<"20030512" | USPAT | OR | OFF | 2011/10/10 17:42 |
| L7 | 0 | 6 and thin same metal same foil | USPAT | OR | OFF | 2011/10/10 17:42 |
| L8 | 15 | 6 and metal same foil | USPAT | OR | OFF | 2011/10/10 17:42 |
| L9 | 15 | 8 and (trench groove) with (without adj penetrat\$4 with substrate printed adj circuit adj board pcb) | USPAT | OR | OFF | 2011/10/10 17:45 |
| L10 | 0 | 9 and (without adj penetrat\$3) | USPAT | OR | OFF | 2011/10/10 17:58 |
| L11 | 0 | 9 and (without adj penetrat\$4) | USPAT | OR | OFF | 2011/10/10 17:58 |
| L12 | 0 | 9 and (without near2 penetrat\$4) | USPAT | OR | OFF | 2011/10/10 17:58 |
| L13 | 25 | ("2837619" "3499215" "3764486" "3981076" "4259367" "4418264" "4572941" "4630355" "4704304" "4880959" "4919971" "5182230" "5184399" "5250759" "5369881").PN. OR ("5493076").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/10/10 18:00 |
| S1 | 1790 | 29/852.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 09:55 |
| S2 | 608 | S1 and electronic same component | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 09:56 |
| S3 | 256 | S2 and insulat\$3 same substrate | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 09:56 |
| S4 | 63898 | metal adj foil | US-PGPUB; USPAT; | OR | ON | 2010/09/30 09:56 |

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| | | | USOCR | | | |
| S5 | 63898 | S4 and metal adj foil | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 09:56 |
| S6 | 53 | S3 and metal adj foil | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 09:56 |
| S7 | 0 | S6 and trench | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 09:57 |
| S8 | 42 | S6 and laser | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 09:57 |
| S9 | 0 | S8 and prevent same current same flow same trench | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 09:58 |
| S10 | 0 | S8 and current same flow same trench | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 09:58 |
| S11 | 1 | S8 and current same flow | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 09:58 |
| S12 | 1076542 | sensors | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:00 |
| S13 | 78 | S1 and sensors | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:01 |
| S14 | 9 | S13 and insulating adj substrate | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:01 |
| S15 | 0 | S14 and metal adj foil | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:01 |
| S16 | 4 | S14 and metal same insulating same substrate | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:02 |
| S17 | 0 | S16 and current same flow | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:02 |
| S18 | 0 | S6 and trench | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:02 |
| S19 | 63898 | metal adj foil | US- | OR | ON | 2010/09/30 |

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| | | | PGPUB; USPAT; USOCR | | | 10:14 |
| S20 | 1428 | S19 and insulating adj substrate | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:14 |
| S21 | 41 | S20 and trench | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:15 |
| S22 | 1 | S21 and metal adj face | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:15 |
| S23 | 7 | S21 and metal same face | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:15 |
| S24 | 1 | S23 and foil adj tracks | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:15 |
| S25 | 107 | (circuit wiring) adj board and split\$3 adj plane | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:48 |
| S26 | 1 | S25 and plane with trench\$3 | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:48 |
| S27 | 17 | S25 and groove | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:49 |
| S28 | 25 | S25 and capacitor | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 10:52 |
| S29 | 0 | ("2002/0012240").URPN. | USPAT | OR | ON | 2010/09/30 11:01 |
| S30 | 1615 | 174/262.ccls. | USPAT | OR | ON | 2010/09/30 11:03 |
| S31 | 534 | (circuit wiring) adj board and (split\$3 separate groove moat) adj plane | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 11:04 |
| S32 | 3 | S30 and (circuit wiring) adj board and (split\$3 separate groove moat) adj plane | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 11:04 |
| S33 | 1 | (circuit wiring) adj board with metal adj foil and (split\$3 separate groove moat) adj plane | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 11:08 |
| S34 | 107 | (circuit wiring metal adj foil) adj board and split\$3 adj plane | US- PGPUB; USPAT; | OR | ON | 2010/09/30 11:16 |

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| | | | USOCR | | | |
| S35 | 0 | (metal adj foil) adj board and split\$3 adj plane | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 11:33 |
| S36 | 0 | (metal adj foil) adj substrate and split\$3 adj plane | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 11:34 |
| S37 | 6 | (metal adj foil) and split\$3 adj plane | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 11:34 |
| S38 | 14 | "5796578" | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 12:00 |
| S39 | 12 | "6399879" | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 12:01 |
| S40 | 42117 | insulating adj substrate | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 12:02 |
| S41 | 67 | (metal adj foil) same bond\$2 same insulating adj substrate | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 12:03 |
| S42 | 67 | S40 and (metal adj foil) same bond\$2 same insulating adj substrate | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 12:03 |
| S43 | 0 | S42 and (trench hollow separate groove split\$3) adj plane | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 12:05 |
| S44 | 0 | S42 and (trench hollow groove split\$3) adj plane | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 12:06 |
| S45 | 0 | S42 and (trench groove split\$3) adj plane | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 12:07 |
| S46 | 0 | S42 and (trench split\$3) adj plane | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 12:07 |
| S47 | 0 | S42 and (split\$3) adj plane | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 12:07 |
| S48 | 9 | ("4104111" "4902610" "5160579" "5666722" "6323439" "6531661" "6591495" "6717070" "6828510").PN. OR ("7726016").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 12:51 |
| S49 | 1076542 | sensor | US- | OR | ON | 2010/09/30 |

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| | | | PGPUB; USPAT; USOCR | | | 12:58 |
| S50 | 6 | S49 and (metal adj foil) same bond\$2 same insulating adj substrate | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 12:58 |
| S51 | 20 | "6591495" | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 13:00 |
| S52 | 2 | "20040025333" | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 13:04 |
| S53 | 1 | "20020012240" | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 13:06 |
| S54 | 0 | ("2002/0012240").URPN. | USPAT | OR | ON | 2010/09/30 13:37 |
| S55 | 18 | "6349038" | USPAT | OR | ON | 2010/09/30 13:38 |
| S56 | 9 | "6507495" | US- PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 13:53 |
| S57 | 9 | "6507495" | USPAT | OR | ON | 2010/09/30 14:55 |
| S58 | 0 | "20020012240" | USPAT | OR | ON | 2010/09/30 14:58 |
| S59 | 1 | "20020012240" | US- PGPUB; USPAT | OR | ON | 2010/09/30 14:58 |
| S60 | 84317 | electronic adj component | USPAT | OR | ON | 2010/09/30 15:01 |
| S61 | 63762 | S60 and width same cutting same moat trench | USPAT | OR | ON | 2010/09/30 15:01 |
| S62 | 10441 | S61 and insulating adj material | USPAT | OR | ON | 2010/09/30 15:02 |
| S63 | 2131 | S62 and polymer | USPAT | OR | ON | 2010/09/30 15:02 |
| S64 | 0 | S63 and (insulating adj matrial) same (epoxy adj resin) | USPAT | OR | ON | 2010/09/30 15:03 |
| S65 | 21 | S63 and (insulating adj material) same (epoxy adj resin) | USPAT | OR | ON | 2010/09/30 15:04 |
| S66 | 63761 | S65 and width same cutting same moat trench | USPAT | OR | ON | 2010/09/30 15:04 |
| S67 | 0 | (electrical adj component) same insulat\$ same metal same trenth same cut\$3 same width | USPAT | OR | ON | 2010/09/30 15:21 |
| S68 | 0 | insulat\$ same metal same trenth same cut\$3 same width | USPAT | OR | ON | 2010/09/30 15:21 |
| S69 | 11 | insulat\$ same metal same trench same cut\$3 same width | USPAT | OR | ON | 2010/09/30 15:21 |
| S70 | 565 | trench same cut\$3 same width | USPAT | OR | ON | 2010/09/30 |

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| | | | | | | 15:26 |
| S71 | 18 | "6349038" | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 16:09 |
| S72 | 1 | "20020012240" | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 16:24 |
| S73 | 2 | "20040025333" | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 16:25 |
| S74 | 9 | "6507495" | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 16:27 |
| S75 | 2 | "20040118597" | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 17:36 |
| S76 | 423 | (insulat\$3 substrate) same (fiberglass) same sensor | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 17:39 |
| S77 | 2 | S76 and trench | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/30 17:42 |
| S78 | 18 | "6349038" | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 09:35 |
| S79 | 4 | method same manufacturing same bond\$3 same thin adj metal same laser same machin\$3 same metal adj foil | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:13 |
| S80 | 1 | S79 and trench | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:14 |
| S81 | 1 | method same manufacturing same bond\$3 same thin adj metal same laser same machin\$3 same metal adj foil same substrate | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:17 |
| S82 | 4 | bond\$3 same thin adj metal same laser same machin\$3 same metal adj foil | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:21 |
| S83 | 1 | bond\$3 same thin adj metal same laser same machin\$3 same metal adj foil same substrate | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:22 |
| S84 | 633771 | method same manufacturing laser same machin\$3 same metal adj foil same substrate | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:23 |
| S85 | 12 | method same manufacturing same laser | US- | OR | ON | 2011/04/15 |

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| | | same machin\$3 same metal adj foil same substrate | PGPUB; USPAT; USOCR | | | 10:23 |
| S86 | 1 | method same manufacturing same bond\$3 same thin adj metal adj foil same insulat\$3 adj substrate | US- PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:25 |
| S87 | 4 | method same manufacturing same bond\$3 same thin adj metal adj foil same substrate | US- PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:25 |
| S88 | 2460705 | S81 and laser machin\$3 | US- PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:26 |
| S89 | 1 | S81 and laser adj machin\$3 | US- PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:26 |
| S90 | 1 | S81 and laser same machin\$3 | US- PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:26 |
| S91 | 4 | bond\$3 same thin adj metal same laser same machin\$3 same metal adj foil | US- PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:28 |
| S92 | 1 | bond\$3 same thin adj metal same laser same machin\$3 same metal adj foil same substrate | US- PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:28 |
| S93 | 8 | bond\$3 same thin same metal same laser same machin\$3 same metal adj foil same substrate | US- PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:29 |
| S94 | 754 | bonding same thin adj metal same substrate | US- PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:39 |
| S95 | 0 | bonding adj thin adj metal adj substrate | US- PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:39 |
| S96 | 1 | S94 and form\$3 same component adj blank | US- PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:40 |
| S97 | 313 | S94 and form\$3 same component | US- PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:40 |
| S98 | 11 | S94 and form\$3 same component same blank | US- PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:41 |
| S99 | 1 | S98 and laser adj machin\$3 | US- PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:41 |

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| S100 | 1 | S98 and laser same machin\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:42 |
| S101 | 1 | bonding same thin adj metal same substrate same metal same face same metal adj foil same laser same machin\$4 | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:43 |
| S102 | 6 | S94 and form\$3 same component same laser same machin\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:43 |
| S103 | 1 | method same manufacturing same electrical adj component same laser same machin\$3 same metal adj foil same substrate | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:48 |
| S104 | 1503 | method same manufacturing same electrical adj component | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:49 |
| S105 | 2 | S104 and laser same machin\$3 same metal adj foil same substrate | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:49 |
| S106 | 1 | method same manufacturing same electrical adj component same bond\$3 adj thin adj metal same laser same machin\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:54 |
| S107 | 1 | method same manufacturing same electrical adj component same bond\$3 same thin adj metal same laser same machin\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:54 |
| S108 | 1 | method same manufacturing same electrical adj component same bond\$3 same thin same metal same laser same machin\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:54 |
| S109 | 9 | substrate same component same bond\$3 same thin same metal same laser same machin\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 10:55 |
| S110 | 1 | method same electrical adj components same foil adj tracks same laser same machin\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:00 |
| S111 | 1 | electrical adj components same foil adj tracks same laser same machin\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:00 |
| S112 | 1 | method same electrical same components same foil adj tracks same laser same machin\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:01 |
| S113 | 1 | method same electrical same components same foil same tracks same laser same machin\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:01 |
| S114 | 2 | electrical same components same foil same tracks same laser same machin\$3 | US-PGPUB; USPAT; | OR | ON | 2011/04/15 11:01 |

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| | | | USOCR | | | |
| S115 | 90 | "6410415" | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:04 |
| S116 | 6812 | laser same machin\$3 same produce trench same foil same tracks same prevent same current same flow | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:48 |
| S117 | 6812 | laser same machin\$3 same produce trench same foil adj tracks same prevent adj current adj flow | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:49 |
| S118 | 37 | laser adj machin\$3 adj produce trench same foil adj tracks same prevent adj current adj flow | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:49 |
| S119 | 25 | S118 and substrate | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:50 |
| S120 | 1 | S119 and method same manufacturing same electrical same component | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:50 |
| S121 | 2 | S119 and electrical same component | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:51 |
| S122 | 0 | laser adj machin\$3 adj produce same trench same foil adj tracks same prevent adj current adj flow | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:55 |
| S123 | 0 | laser adj machin\$3 adj produce same trench same foil adj tracks same prevent\$4 adj current adj flow | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:55 |
| S124 | 1 | laser adj machin\$3 same produce same trench same foil adj tracks same prevent\$4 adj current adj flow | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:55 |
| S125 | 1 | laser same machin\$3 same produce same trench same foil adj tracks same prevent\$4 adj current adj flow | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:56 |
| S126 | 1 | laser same machin\$3 same produce same trench same foil adj tracks same prevent\$4 same current adj flow | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:56 |
| S127 | 1 | laser same machin\$3 same produce same trench same foil adj tracks same prevent\$4 same current same flow | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 11:56 |
| S128 | 2 | "20040089471" | US-PGPUB; USPAT; USOCR | OR | ON | 2011/04/15 13:53 |
| S129 | 18 | "6,349,038" | US- | OR | ON | 2011/04/18 |

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| | | | PGPUB; USPAT; USOCR | | | 10:35 |
| S130 | 2 | "20040089471" | US- PGPUB; USPAT; USOCR | OR | ON | 2011/04/18 10:36 |

10/ 10/ 2011 6:57:18 PM
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